

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV093019\
 Data File : VV013010.D
 Acq On : 30 Sep 2019 10:08
 Operator : SY/MD
 Sample : VSTDCCC025
 Misc : 5.00G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02577

Quant Time: Oct 01 05:48:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM093019SMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Sep 30 15:00:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	853139	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	810429	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	439002	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	260505	21.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.36%
7) Chloroethane-d5	1.58	69	229788	22.45	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.80%
11) 1,1-Dichloroethene-d2	2.13	63	475671	22.63	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	90.52%
21) 2-Butanone-d5	3.95	46	174215	40.43	ug/L	0.02
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.86%
24) Chloroform-d	4.40	84	500712	21.79	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	87.16%
26) 1,2-Dichloroethane-d4	5.08	65	269095	20.58	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.32%
32) Benzene-d6	5.09	84	998067	22.33	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.32%
36) 1,2-Dichloropropane-d6	6.11	67	309847	22.11	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	88.44%
41) Toluene-d8	7.35	98	933489	22.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.48%
43) trans-1,3-Dichloropropene-	7.66	79	126460	21.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	86.00%
47) 2-Hexanone-d5	8.13	63	117986	39.94	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	79.88%
56) 1,1,2,2-Tetrachloroethane-	10.26	84	268938	20.52	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	82.08%
66) 1,2-Dichlorobenzene-d4	11.67	152	361590	21.36	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	85.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	265317	29.027	ug/L 100
3) Chloromethane	1.25	50	303233	26.055	ug/L 100
5) Vinyl chloride	1.32	62	317553	26.484	ug/L 98
6) Bromomethane	1.54	94	188107	24.422	ug/L 100
8) Chloroethane	1.60	64	197985	26.125	ug/L 98
9) Trichlorofluoromethane	1.77	101	427354	26.313	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	267270	25.674	ug/L 98
12) 1,1-Dichloroethene	2.14	96	244048	24.960	ug/L 96
13) Acetone	2.22	43	201699	44.406	ug/L 99
14) Carbon disulfide	2.32	76	756564	25.212	ug/L 98
15) Methyl Acetate	2.47	43	143467	20.468	ug/L 99
16) Methylene chloride	2.53	84	288597	20.654	ug/L 99
17) trans-1,2-Dichloroethene	2.79	96	282099	24.475	ug/L 98
18) Methyl tert-butyl Ether	2.80	73	637197	21.978	ug/L 99
19) 1,1-Dichloroethane	3.23	63	516983	24.440	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	299534	23.366	ug/L 99
22) 2-Butanone	4.04	43	219441	44.077	ug/L 94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	140487	22.354	ug/L	98
25) Chloroform	4.42	83	517250	23.454	ug/L	99
27) 1,2-Dichloroethane	5.17	62	340769	22.478	ug/L	99
29) Cyclohexane	4.72	56	475610	26.658	ug/L	100
30) 1,1,1-Trichloroethane	4.65	97	430001	25.976	ug/L	99
31) Carbon tetrachloride	4.87	117	389089	26.111	ug/L	98
33) Benzene	5.14	78	1160492	25.046	ug/L	100
34) Trichloroethene	5.96	95	316329	25.201	ug/L	100
35) Methylcyclohexane	6.17	83	525956	26.696	ug/L	99
37) 1,2-Dichloropropane	6.22	63	290734	24.454	ug/L	99
38) Bromodichloromethane	6.55	83	372653	24.012	ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	439706	24.563	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	406657	42.797	ug/L	98
42) Toluene	7.43	91	1272100	25.814	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	355455	24.183	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	226929	22.501	ug/L	100
46) Tetrachloroethene	8.02	164	266019	25.614	ug/L	98
48) 2-Hexanone	8.18	43	308750	44.629	ug/L	98
49) Dibromochloromethane	8.29	129	270479	23.519	ug/L	99
50) 1,2-Dibromoethane	8.39	107	223891	22.503	ug/L	98
51) Chlorobenzene	8.92	112	823982	24.651	ug/L	100
52) Ethylbenzene	9.05	91	1411956	26.082	ug/L	100
53) m,p-Xylene	9.18	106	547682	26.466	ug/L	98
54) o-Xylene	9.58	106	513801	25.952	ug/L	99
55) Styrene	9.60	104	903692	26.072	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.28	83	270688	22.012	ug/L	98
59) Bromoform	9.77	173	169424	22.532	ug/L	100
60) Isopropylbenzene	9.97	105	1401607	26.492	ug/L	100
61) 1,2,3-Trichloropropane	10.32	75	212276	21.243	ug/L	99
62) 1,3,5-Trimethylbenzene	10.58	105	1156390	27.128	ug/L	99
63) 1,2,4-Trimethylbenzene	10.95	105	1145148	26.751	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	684227	24.639	ug/L	100
65) 1,4-Dichlorobenzene	11.32	146	693321	23.774	ug/L	98
67) 1,2-Dichlorobenzene	11.69	146	630739	23.788	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.47	75	44473	20.519	ug/L	98
69) 1,3,5-Trichlorobenzene	12.69	180	539574	24.133	ug/L	99
70) 1,2,4-trichlorobenzene	13.31	180	455412	23.557	ug/L	98
71) Naphthalene	13.55	128	834205	22.152	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	436130	23.388	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

